

Product datasheet

Anti-Thomsen-Friedenreich Antigen antibody [A78-G/A7] ab80553

2 References

Overview

<b>Product name</b>	Anti-Thomsen-Friedenreich Antigen antibody [A78-G/A7]
<b>Description</b>	Mouse monoclonal [A78-G/A7] to Thomsen-Friedenreich Antigen
<b>Host species</b>	Mouse
<b>Specificity</b>	ab80553 is specific for both anomeric forms of the disaccharide (TFalpha and TFbeta, including related structures on the glycolipid) and shows no cross reactivity with sialylated glycophorin.
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Rat, Human
<b>Immunogen</b>	Neuraminidase-treated human red blood cells.
<b>Epitope</b>	Galβ1-3GalNAc
<b>Positive control</b>	KG1 cells. Human colorectal carcinoma tissue. Human colon adenocarcinoma tissue.
<b>General notes</b>	ab80553 can be applied for the detection of cells with Thomsen-Friedenreich antigen and is especially applicable for sensitive determination of neuraminidases. It can be used on frozen and formalin fixed, paraffin fixed tissues and is capable of agglutinating desialylated red blood cells (Karsten et al, 1995).

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: None Constituents: 10mM PBS, pH 7.4
<b>Purity</b>	Ammonium Sulphate Precipitation
<b>Purification notes</b>	Purified from the ascites fluid by ammonium sulfate precipitation.
<b>Primary antibody notes</b>	ab80553 can be applied for the detection of cells with Thomsen-Friedenreich antigen and is especially applicable for sensitive determination of neuraminidases. It can be used on frozen and formalin fixed, paraffin fixed tissues and is capable of agglutinating desialylated red blood cells (Karsten et al, 1995).

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	A78-G/A7
<b>Isotype</b>	IgM
<b>Light chain type</b>	kappa

## Applications

Our [Abpromise guarantee](#) covers the use of **ab80553** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/25 - 1/50. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. 1/25 - 1/50 for 30 minutes at room temperature. Staining of formalin fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 minutes followed by cooling at room temperature for 20 minutes.
ICC/IF		Use at an assay dependent concentration.

## Target

**Relevance** The Thomsen Friedenreich antigen acts as an oncofoetal antigen, with low expression in normal adult tissues but increasing to foetal levels of expression in hyperplasia or malignancy. It is considered as a pan carcinoma marker. Can be applied for the detection of cells with TF antigen and is especially applicable for sensitive determination of neuraminidases.

**Cellular localization** Cell Membrane

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